DoD Parts Management Reengineering

PMRWG Final Report

Industry Day, 8 May 2007

Defense Standardization Program Office

Reengineering

- All Services, DLA, OSD, industry, trade associations
- Fact-finding
- Study industry best practices
- Evaluate – analyze – explore alternatives
- Examine parallel efforts
- Develop findings, conclusions, and recommendations

PMRWG Conclusions

- Parts management needs to be a requirement
- Parts management needs a total system approach
- Parts management decision-makers need better tools
- Parts management can be accomplished within a performance-based environment

Eight Major PMRWG Recommendations

- **Restore parts management as an engineering discipline**
- **Make parts management a policy and contractual requirement**
- **Develop tools that provide accurate, current information for parts management**
- Improve DoD organization for parts management
- Build key partnerships and relationships
- Develop parts management tools and metrics
- Develop new marketing products
- Understand parts management's contribution to logistics footprint

Final PMRWG Report

- Published final report
- Executive version
- Available electronically at:

www.dsp.dla.mil/APP_UIL/content/documents/pmrwg_rpt.pdf

dspo@dla.mil

Implementation

- DSPO Chartered Parts Management Reengineering Implementation Process Team (PMRIPT)
  - Kicked off in May 2006
  - 3-day meetings held about every other month
- Organized PMRIPT into project teams to guide implementation of the top three recommendations:
  - Systems Engineering Team
  - Policy and Contracts Team
  - Tools Development Team
- Enlisted the Parts Standardization & Management Committee (PSMC) to support the reengineering effort
  -

Implementation Team Participants

- Military Departments
- Defense Logistics Agency
- OSD Systems Engineering
- DMSMS Working Group
- Government Industry Data Exchange Program
- Parts Standardization and Management Committee
- Industry representatives
- Trade Associations (i.e., AIA, AIAA)

PMRIPT Project Teams

- Systems Engineering Team
  - Working with Systems Engineering community on how best to integrate parts management into systems engineering policy / process
  - Coordinating with DAU on incorporating parts management language into appropriate courses
- Policy and Contracts Team
  - Developing language for existing policy documents, and developing new documents
  - Drafting contract templates and data item descriptions for parts management contractual requirements
- Tools Development Team
  - Interviewing key users to determine tools requirements
  - Coordinating with DMSMS community to build upon existing DMSMS capabilities to develop a single point of entry to parts management data

Closing

Questions?

Comments?_

Extra Stuff

Back Up Material

What Is Parts Management?

- A multi-disciplined process designed to improve system supportability :
  - Reduce Life Cycle Cost
  - Improve reliability
  - Improve readiness (logistics/operational)
  - Improve interoperability
  - Control growth of Logistics Footprint
  - Mitigate DMSMS issues
  - Promote standardization across platforms
- Collaboration between primes, subs, and the Government

History of Parts Management

1977: **MIL-STD-965, Parts Control Program**

1983: **SECDEF Weinberger Spare Parts Acq memo**

1984: **DEPSECDEF Taft DoD Parts Control memo**

1994: **SECDEF Perry Acquisition Reform memo**

1996: **MIL-HDBK-965, Parts Management Program**

2000: **MIL-HDBK-512, Parts Management**

2004: **Begin Re-engineering DoD Processes**

Warfighter Support

Parts Management:

- Ensures optimum part is used in a design
  - quality, reliability, availability, logistical, and cost
- Provides Warfighter a more reliable, available, and maintainable weapon system
- Ensures the logistics community has a better understanding of the part and its application
- Provides metrics that relate parts management decisions to increases in readiness and ROI

Parts Management is First and Foremost an Engineering Discipline

- Part selection is an engineering responsibility
- Selecting the right parts drives downstream outcomes
- Today, engineering parts management practice is inadequate
- OEM parts management often unfunded, therefore, not done
- Our recommendations address these issues

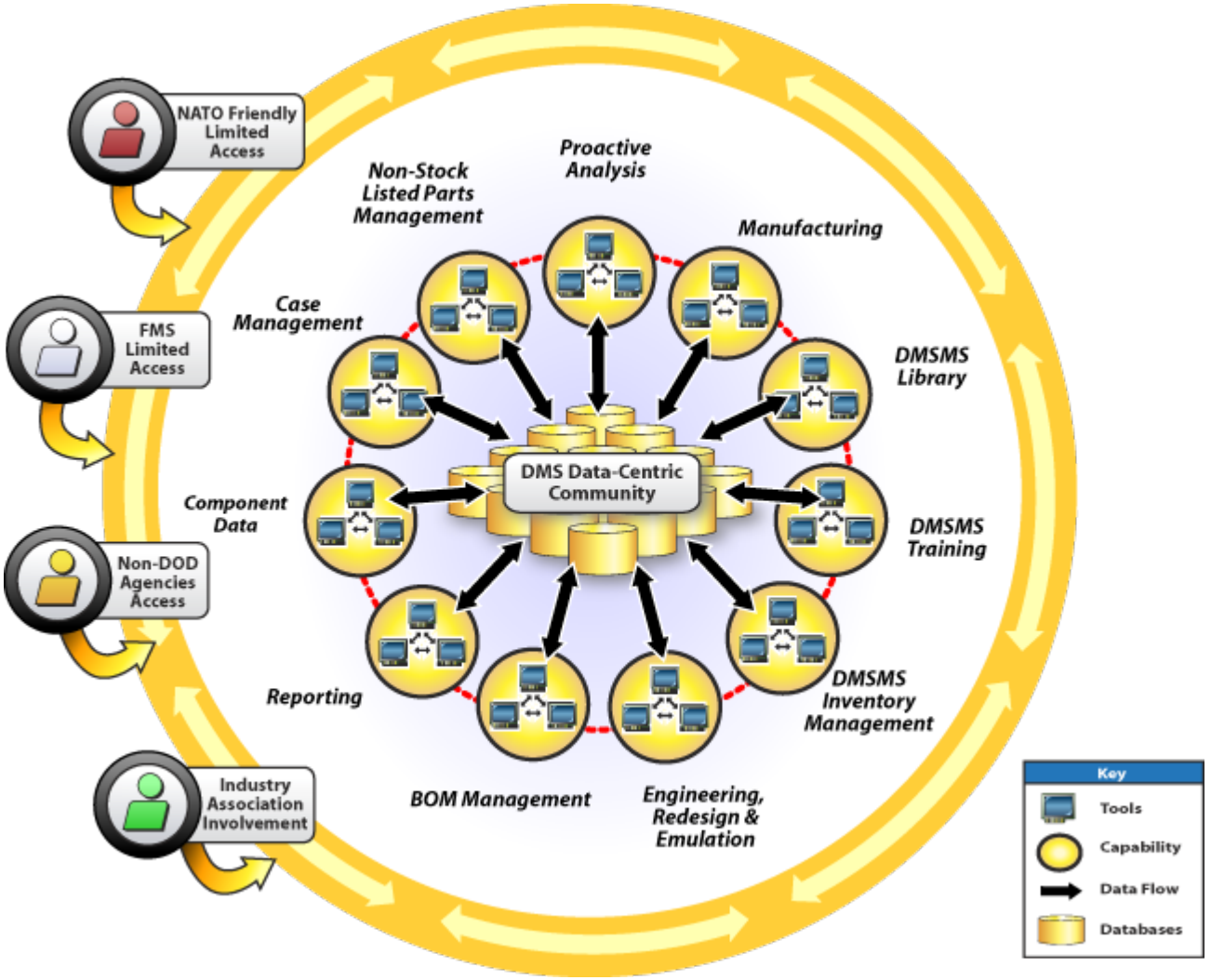
What We Mean by Making Parts Management A "Requirement"

- ***Not*** a return to past "prescriptive" practices
- Proposal to add some needed discipline
  - Action: Parts Management during design phase
  - Result: A more supportable system during sustainment
- Require a Parts Management Plan that addresses:
  - DMSMS
  - Parts Selection
- Address Parts Management in program reviews
  - Key element of a well-executed program
- DoD provide mechanism / shared data warehouse

The Critical Need — Current, Accurate Parts Data

- Existing parts data is inadequate, inaccurate, incomplete, inconsistent
- Parts data is spread across hundreds of sources
- DoD is now reengineering many of its parts-related information systems
- Now is the time to act
- We must integrate parts management requirements with current initiatives
- The first element is the DMSMS KSP

DMSMS KSP Capabilities



Logistics Footprint

The size of the presence of logistics support required to deploy, sustain, and move a weapon system, including:

- Inventory/equipment/parts
- Personnel
- Facilities
- Transportation
- Real estate